

**DRAFT**  
**Maintenance Concept Remains Consistent with Prior Fiscal Year**

**STATEMENT OF WORK (SOW)**  
**For the**  
**Inspect and Repair Only as Necessary (IROAN)**  
**of the**  
**SHELTER, NONEXPANDABLE, 10 Foot**  
**EMI/EMC**

**NSN: 5411-01-304-6122**

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**STATEMENT OF WORK**  
**For the IROAN of**  
**SHELTER, NONEXPANDABLE, 10 Foot EMI/EMC**  
**NSN 5411-01-304-6122**  
**P/N: 82A5049A0000 CAGE: 01365**

1.0 SCOPE. This Statement of Work (SOW) establishes, sets forth tasks and identifies the work effort that shall be performed by the Contractor to IROAN the Shelter, Nonexpandable, 10 Foot EMI/EMC, NSN: 5411-01-304-6122; hereafter referred to as the 10 Foot EMI/EMC Shelter. This document contains requirements to restore the 10 Foot EMI/EMC Shelter, drawing number 82A5049A0000, CAGE 01365, to Condition Code "A". Condition Code "A" is defined as "serviceable/issuable without qualification, new, used, repaired or reconditioned materiel which is serviceable and issuable to all customers without limitation or restriction, including materiel with more than six months shelf-life remaining."

1.1 Background. IROAN is defined as "That maintenance technique which determines the minimum repairs necessary to restore equipment components or assemblies to prescribed maintenance serviceability standards by utilizing all available diagnostic equipment and test procedures in order to minimize disassembly and parts replacement."

2.0 APPLICABLE DOCUMENTS. The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 Military Specifications

|             |  |
|-------------|--|
| MIL-C-81309 | Corrosion Preventive Compounds, Water Displacing,<br>Ultra Thin Film |
|-------------|--|

2.2 Military Standards

|             |  |
|-------------|--|
| MIL-STD-129 | DoD Standard Practice for Military Marking |
|-------------|--|

|                 |  |
|-----------------|--|
| MIL-STD-1073-1D | DoD Standard Practice for Military Packaging |
|-----------------|--|

2.3 Other Government Documents and Publications. The issues of those documents cited below shall be used.

|             |  |
|-------------|--|
| SL-3-09272A | Components List for Shelter, Nonexpandable, 10 Ft.,<br>EMI/EMC |
|-------------|--|

|              |  |
|--------------|--|
| TM 5410-14/1 | Intermediate Maintenance Instructions Electronics<br>Maintenance Complex |
|--------------|--|

|   |   |
|---|---|
| TM 5411-14/1                                      | Marine Corps Expeditionary Shelter System (MCESS)<br>(Small Shelter Family) Operation and Maintenance<br>Instructions               |
| TM 5411-14&P/2                                    | Marine Corps Expeditionary Shelter System, General<br>Purpose Shelter, Operations and Maintenance<br>Instructions with Repair Parts |
| Engineering Drawing<br>82A5049A0000<br>CAGE 01365 | Technical Data Package for the Shelter, 10 Foot EMI,<br>Electronic Maintenance Complex (EMC)  |
| DoD 4000.25-1-M                                   | Military Standard Requisitioning and Issue Procedures<br>(MILSTRIP)   |

#### Military Handbooks (For Guidance)

|             |                                   |
|-------------|-----------------------------------|
| MIL-HDBK-61 | Configuration Management Guidance |
|-------------|-----------------------------------|

## 2.4 Industry Standards

|                          |   |
|--------------------------|---|
| JESD625-A                | Requirements for Handling Electrostatic-Discharge<br>Sensitive (ESDS) Devices |
| ANSI/ISO/ASQC Q9001-2000 | Quality Management Systems-Requirements                                       |

#### Industry Standards (For Guidance)

|              |   |
|--------------|---|
| ANSI/EIA-649 | National Consensus Standard for Configuration<br>Management |
|--------------|---|

Copies of Military Standards and Specifications are available from the DOD Single Stock Point, Document Automation and Production Service, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, commercial telephone number (215) 697- 2179 or DSN 442-2179, or <http://www.dodssp.daps.mil>. Copies of other government documents and publications required by Contractors in connection with specific SOW requirements shall be obtained through the Contracting Officer: Contracts Department (Code 891), P.O. Drawer 43019, 814 Radford Blvd., Marine Corps Logistics Bases, Albany, Georgia 31704-3019, commercial telephone number (229) 639-6761 or DSN 567-6761. Copies of engineering drawings, if applicable, shall be obtained from Supply Chain Management Center, Attn: Code 583-1, 814 Radford Blvd., Suite 20320, Albany, Georgia 31704-0320, commercial telephone number (229) 639-6476 or DSN 567-6476.

## 3.0 REQUIREMENTS

3.1 General Tasks. In fulfilling the specified requirements, the Contractor shall provide

materials, labor, equipment, facilities and missing/repair parts, necessary to inspect, diagnose, restore, and test and calibrate the 10 Foot EMI/EMC Shelter. Upon completion of repair, the subject item shall be Condition Code "A".

3.2 Detail Tasks. The following tasks describe the different phases for repair of the 10 Foot EMI/EMC Shelter:

|           |   |
|-----------|---|
| Phase I   | Pre-Induction   |
| Phase I   | Repair  |
| Phase III | Inspection, Testing and Acceptance                      |
| Phase IV  | Packaging, Handling, Storage and Transportation (PHS&T) |

3.2.1 Phase I - Pre-Induction. A Pre-Induction Inspection Analysis shall be performed for each 10 Foot EMI/EMC Shelter within five working days of induction into the Contractor's facility for evaluation of repair capability. If repair is not feasible, assign Condition Code "H" (CC "H"), notify Supply Chain Management Center, Marine Corps Logistics Bases (577-3), Albany, Georgia for disposition instructions, otherwise assign CC "M" and induct into the repair cycle. The Pre-Induction Checklist (Appendix A) shall be used to report all anomalies and shall be provided to Marine Corps Systems Command (MCSC) (Code PMM162), Albany, GA representative in accordance with section 4.0 of this SOW.

3.2.2 Phase II – Repair. After Pre-Induction Tests and Inspections have been completed, repair of the 10 Foot EMI/EMC Shelter shall be accomplished in accordance with this SOW. Deficiencies noted on the Pre-Induction Checklist during Phase I shall be repaired/replaced. Components or assemblies shall not be disassembled for replacement of parts unless that part has failed, or the component assembly wherein the part is located is disassembled for repair.

a. Hardware

(1) Replace broken, unserviceable and/or missing hardware including nuts, bolts, screws, washers, turnlock fasteners, mandatory replacement items, safety and one-time use items. Unserviceable would include any of the above that failed to function properly.

(2) Ensure proper hardware locking devices are present on all moving mechanical assemblies.

(3) Hardware normally supplied with commercial parts shall be used unless specifically prohibited.

b. Any approved Modification Instructions (MIs) or Engineering Change Proposals (ECPs) not previously applied shall be incorporated.

3.2.3 Phase III - Inspection, Testing and Acceptance

a. Inspection, Testing and Acceptance of the 10 Foot EMI/EMC Shelter shall be conducted in accordance with SL-3-09272A, TM 5410-14/1, TM 5411-14/1, MIL-C-81309, TM 5411-

14&P/2, Engineering Drawing 82A5049A0000 CAGE 01365 and DoD 4000.25-1-M.

b. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCSC (Code PMM162), Albany, GA representatives may require the Contractor to repeat tests or portions thereof, if the original tests fail to demonstrate compliance with this SOW.

#### 3.2.4 Phase IV - Packaging, Handling, Storage and Transportation (PHS&T)

a. The Contractor shall be responsible for preservation and packaging for item(s) being repaired under the terms of this Statement of Work. Items scheduled for long-term storage or shipment to overseas destinations shall be preserved and packaged in accordance with the Level "A" requirements of MIL-STD-1073-1D, Appendix A, Table A.VI., Electronic Equipment. Items scheduled for domestic shipment, immediate use and short-term storage shall be to Level "B" requirements.

b. Marking for shipment and storage shall be in accordance with MIL-STD-129.

c. The Marine Corps will provide the Contractor with the shipping address(es) for delivery of the repaired equipment. The Contractor shall be responsible for arranging for shipment to the pre-designated site(s). The Marine Corps will be responsible for transportation costs associated with shipping the subject equipment to and from the Contractor.

3.3 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM). The Management Control Activity (MCA/Code 571-1) will coordinate Government Furnished Equipment/Government Furnished Materiel (GFE)/(GFM) requests and maintain a central control system on all government owned assets in the contractor's possession. The MCA will forward a GFE Accountability Agreement to the Contractor for signature on an annual basis to establish a chain of custody and identify property responsibilities for Marine Corps assets. The Contractor is to acknowledge receipt of GFM to the MCA within 15 days of receipt. This can be done by mailing a copy of the DD 1348 to Materiel Management Department, Management Control Activity (Code 571-1), 814 Radford Blvd., STE 20320, Albany, GA 31704-0320 or faxing a copy to commercial telephone number (229) 639-5498 or DSN 567-5498.

3.4 Contractor Furnished Materiel (CFM). The Contractor may requisition materiel as required in the performance of the SOW through the DoD Supply System. DoD 4000.25-1-M (MILSTRIP) Chapter 11 provides guidance to contractors on the requisitioning process. The Contractor's decision to utilize CFM procured from the DoD Supply System shall be based upon cost effectiveness, availability of materiel and the required completion/delivery date.

3.5 Electrostatic Discharge (ESD) Control Program. The Contractor shall establish, implement and document an ESD control program following the guidelines provided in JESD625-A. ESD protective measures shall be used during manufacturing, handling, inspection, testing, marking, packaging, storing and transporting ESD sensitive components.

3.6 Quality Assurance Provisions. The Contractor shall provide and maintain a Quality System

that, as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9001-2000, Quality Management Systems-Requirements. The program shall ensure quality throughout all areas to include processing, assembly, inspection, testing, maintenance, and preparation for delivery and shipping. Unless otherwise specified in the contract, the Contractor shall be responsible for performance of all inspection requirements. MCSC (Code PMM162), Albany, GA reserves the right to perform any of the inspections set forth in the contract where such inspections are deemed necessary to assure products and services conform to the prescribed requirements.

3.7 Acceptance. The performance of the Contractor and the quality of work delivered, including all equipment furnished and documentation written or compiled, shall be subject to in-process review and inspection during performance. Inspection may be accomplished in-plant or at any work site or location, and MCSC (Code PMM162), Albany, GA representatives shall be permitted to observe the work or to conduct an inspection.

3.8 Rejection. Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCSC (Code PMM162), Albany, Georgia. The Contractor shall, at no additional cost to MCSC, Albany, Georgia correct the deficiencies and repeat the verification until an acceptable compliance with acceptance test procedures is demonstrated.

3.9 Configuration Control. The Contractor shall apply configuration control procedures to establish configuration items. The Contractor shall not implement configuration changes to an item's documented performance or design characteristics without receiving prior written authorization. The baseline configuration has been defined by Technical Data Package 82A5049A0000. Deviations from this established baseline configuration shall not be allowed without the express written approval of the Logistics Management Specialist (Code PMM162), Albany, GA. All permanent changes to the form, fit or function of the baseline shall be by Engineering Change Proposal. MIL-HDBK-61 and ANSI/EIA-649 provide guidance for preparing this configuration control document. If it is necessary to temporarily depart from the authorized configuration, the Contractor shall submit a Request for Deviation. MIL-HDBK-61 and ANSI/EIA-649 provide guidance for preparing this configuration control document.

4.0 REPORTS. All report deliverables shall be submitted in hard copy to Marine Corps Systems Command (Code PMM162), 814 Radford Blvd., Suite 20343, Albany, Georgia, 31704-0343, and Supply Chain Management Center, Attn: (Code 577-3), 814 Radford Blvd., Suite 20320, Albany, Georgia 31704-0320, unless directed otherwise in a Contract Data Requirements List.

4.1 Pre-Induction Checklist. The Contractor shall complete the Pre-Induction Inspection Checklist (Appendix A) for each 10 Foot EMI/EMC Shelter repaired. These documents shall be available prior to final acceptance testing. One copy of each document shall be provided to Marine Corps Systems Command (Code PMM 162), 814 Radford Blvd., Suite 20343, Albany, Georgia, 31704-0343, and Supply Chain Management Center, Attn: (Code 577-3), 814 Radford Blvd., Suite 20320, Albany, Georgia, 31704-0320, after final acceptance of the 10 Foot EMI/EMC Shelter.

4.2 Test/Inspection Report. The Contractor shall provide a Test/Inspection Report on each 10 Foot EMI/EMC Shelter.

4.3 Repairable Item Inspection Report. The Contractor shall provide a Repairable Item Inspection Report for each 10 Foot EMI/EMC Shelter. The report shall be identified by United States Marine Corps Serial Number.

4.4 Monthly Progress Reports. The Contractor shall provide Monthly Progress Reports summarizing the progress and status of the 10 Foot EMI/EMC Shelter Program.